

Nouvelle Liberation

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Volume 9, Issue 1
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Department of Computer Applications Chitkara University Institute of Engineering & Technology Chitkara University, Punjab

Newsletter March, 2023		
This newsletter has been edited and publi Punjab	shed by Department of Computer Applications, Chi	tkara University,
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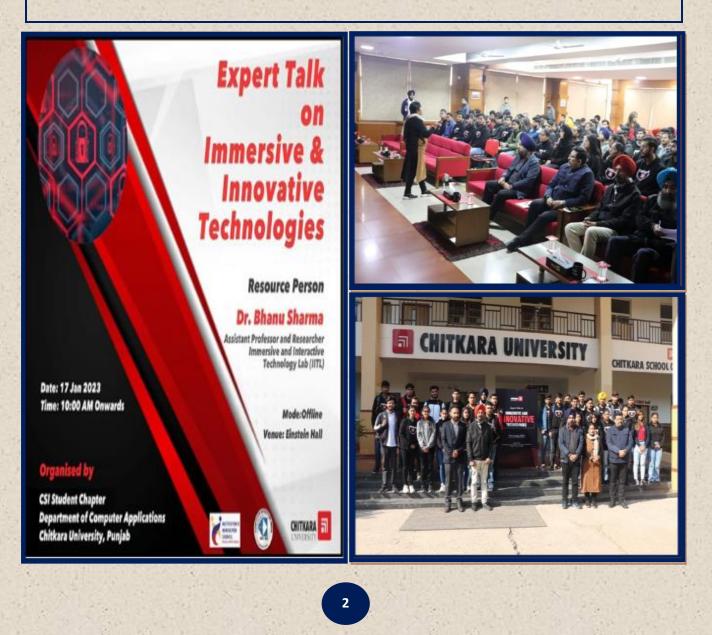
HACKATHON TO DEVELOP SUSTAINABLE DESIGN THROUGH CRITICAL THINKING -THINK-2-DESIGN JANUARY 10-12, 2023

CSI student chapter under the aegis of Department of Computer Applications, Chitkara University, Punjab organized a hackathon on Think-2-Design to promote sustainable design. Students got the chance to carefully consider their concepts and designs as well as put the problem's logical solutions into action. The contestants might use a variety of programming languages to design their concepts. The students' originality as well as how they presented their thoughts and opinions were assessed. The competition among participants in this event gave them an incentive to hone their abilities. The students were delighted in utilising their abilities and taking part in team competitions. The hackathon has proven to be a great venue for students who want to showcase their talents and capabilities.



EXPERT TALK ON IMMERSIVE AND INNOVATIVE TECHNOLOGIES JANUARY 17, 2023

CSI student chapter under the aegis of Department of Computer Applications, Chitkara University, Punjab organized an expert talk on Immersive and Innovative Technologies. With the professional discussions, students gained greater knowledge about technical innovation and developments. The resource person of the talk was Dr. Bhanu Sharma (Assistant Professor and Researcher, Immersive and Interactive Technology Lab -IITL), Chitkara University, Punajb. She went into great detail about virtual reality, which is a computer-generated world with objects and circumstances that give the sense that they are in a real environment as well as growing databases of records that are safely connected together by cryptographic hashes. Through presentations, students gained more knowledge about the technical innovations.



EMERGING TRENDS AND FUTURE OF TESTING JANUARY 20, 2023

CSI student chapter under the aegis of Department of Computer Applications, Chitkara University, Punjab organized an expert talk on Emerging Trends & Future of Testing. This expert session provided details on the many types of testing automation currently being used in the sector. The resource person focused on anticipated developments in software testing procedures and tools. The resource person discussed the available jobs and the requirements for working in the testing industry. Also, he provided sufficient details and an explanation of the NTF tools. The session proved to be fairly valuable for the students as they learned about new trends in testing, advancements in testing technologies, as well as a variety of testing employment options. Mr. Samrat responded to the students' queries and addressed their concerns regarding the session.



Emerging Trends & Future of Testing



Resource Person

Samrat Sarkar Executive, Head Global Test Factory Allianz Technology SE, India

Date: 20th January, 2023 Time: 10:00 AM Onwards Mode: Offline Venue: Einstein Hall



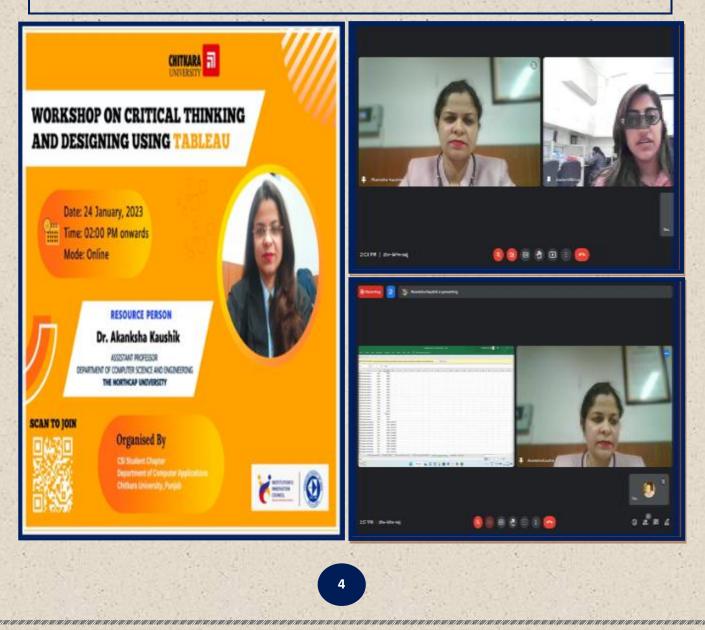
Organised by CSI Student Chapter Department of Computer Applications Chitkara University, Punjab





WORKSHOP ON CRITICAL THINKING AND DESIGNING USING TABLEAU JANUARY 24, 2023

CSI student chapter under the aegis of Department of Computer Applications, Chitkara University, Punjab organized workshop on Critical Thinking and Designing using Tableau. Dr. Akanksha Kaushik (Assistant Professor, Northcap University) delivered the lecture. Students were educated by the resource person on data visualisation and how everyone can interpret data with Tableau. She challenged the students to consider and evaluate several data visualisation options. She also clarified that information with pre-attentive qualities is information that we can digest visually very instantly before sending it to the regions of our brains that handle attention. The resource person clarified the questions, and the lesson proved to be very beneficial and instructive for the students.



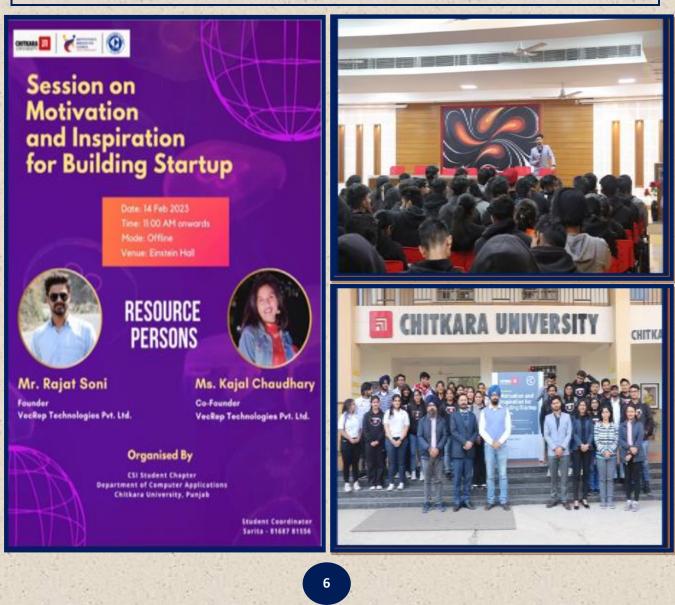
CRITICAL THINKING ON ISTQB FOUNDATION LEVEL CHAPTER SERIES (CHAPTER-3) JANUARY 27, 2023

CSI student chapter under the aegis of Department of Computer Applications, Chitkara University, Punjab organized an expert talk on Critical Thinking on ISTQB Foundation Level Chapter Series (Chapter-3). Ms. Smitha Menon, a senior consultant for verify software, led the session. Ms. Samita spoke about the importance of the ISTQB software testing certification's course material. She asserts that the ISTQB certification demonstrates testing expertise. She talked about static and dynamic testing on several situations to address different testing issues. Students gained knowledge on how to prepare for numerous job opportunities and internationally recognised testing certification throughout this programme. Students learned about the actual situations of testing implementation and testing certification preparation.



SESSION ON MOTIVATION AND INSPIRATION FOR BUILDING STARTUP FEBRUARY 14, 2023

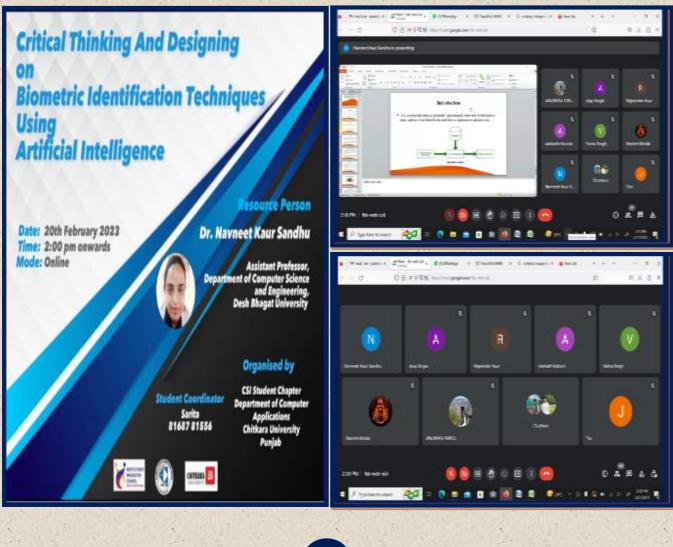
CSI student chapter under the aegis of Department of Computer Applications, Chitkara University, Punjab organized a session on Motivation and Inspiration for Building Startup. The resource persons were Mr. Rajat Sony (Founder, VecRep Tech Pvt. Ltd.) and Ms. Kajal Chaudhary (Co-founder, VecRep Tech Pvt. Ltd.). The event started with Mr. Rajat giving a background, journey, and explanation of how he conceptualised and developed the idea for his firm. He also discussed the distinction between a business and a startup. Ms. Kajal provided an advice on the benefits of beginning one's own business. This session taught and provided the students with a wealth of startup-related material. Both of the resource experts answered as many questions as they could that the students posed throughout the interactive session, which was really beneficial.



CRITICAL THINKING AND DESIGNING ON BIOMETRIC IDENTIFICATION TECHNIQUES USING ARTIFICIAL INTELLIGENCE

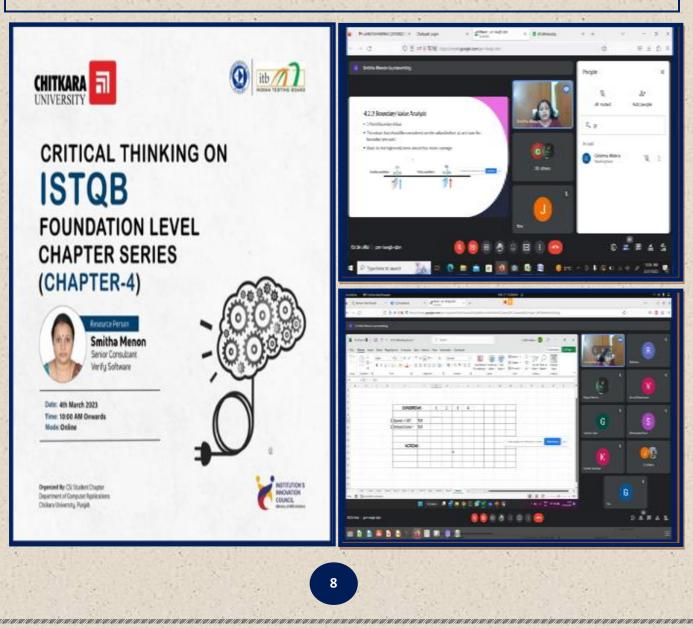
FEBRUARY 20, 2023

CSI student chapter under the aegis of Department of Computer Applications, Chitkara University, Punjab organized an expert talk on Critical Thinking and Designing on Biometric Identification Techniques using Artificial Intelligence on February 20, 2023. The lecture concentrated on teaching students design thinking techniques so they would begin to think creatively and build the habit of coming up with original, fresh ideas. Educational institutions are obtaining cutting-edge technologies to assist them increase the efficiency of their operations and the appeal of their services to both students and teachers. Employee authentication is done using biometric methods including fingerprint, face, and iris scans. Pupils gained knowledge about the value of data and how artificial intelligence controls the data.



CRITICAL THINKING ON ISTQB FOUNDATION LEVEL CHAPTER SERIES (CHAPTER-4) MARCH 4, 2023

CSI student chapter under the aegis of Department of Computer Applications, Chitkara University, Punjab organized an expert talk on Critical Thinking on ISTQB Foundation Level Chapter Series (Chapter-4). Ms. Smitha Menon, a skilled IT technocrat with more than 19 years of expertise in software testing and product development, served as the session's resource person. She talked about several equivalence and boundary value testing case studies. Ms. Smitha demonstrated the most popular tool for writing test cases in manual testing. She used worksheets in Excel for manual testing. Students developed numerous test cases for the issues raised and critically examined them. Along with learning how to create test cases, students also learned how to capture defects and report them to developers so they may be fixed.



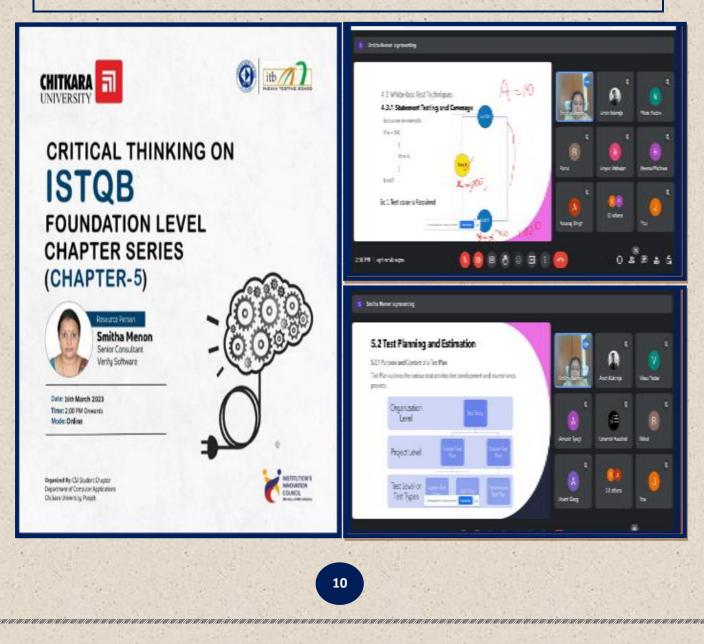
CRITICAL THINKING ON CLOUD COMPUTING SERVICES AND DEPLOYMENT MARCH 16, 2023

CSI Student Chapter under the Aegis of the Department of Computer Applications in collaboration with Institution's Innovation Council (IIC), Chitkara University, Punjab organized an expert talk on Critical Thinking on Cloud Computing Services and Deployment on March 16, 2023. The talk emphasised how to cultivate the habit of coming up with fresh, original ideas as well as how to manage cloud data. The students' cloud computing modelling abilities were enhanced by the resource person. Organizations are using these methods to scale new digital solutions more rapidly and nimbly while still generating revenue. The resource person's expertise of cloud computing and the improvement of the students' interpersonal skills were both acknowledged by Dr. Jaiteg Singh (Professor & Dean, Department of Computer Applications, Chitkara University, Punjab).

<section-header>

CRITICAL THINKING ON ISTQB FOUNDATION LEVEL CHAPTER SERIES (CHAPTER-5) MARCH 16, 2023

CSI Student Chapter under the Aegis of the Department of Computer Applications, Chitkara University, Punjab organized a seminar on Critical Thinking on ISTQB Foundation level Chapter Series (Chapter-5). Ms. Smitha Menon, a skilled IT technocrat with more than 19 years of expertise in software testing and product development, served as the session's resource person. The significance of test structure and planning was underlined by Ms. Samitha. She explained numerous estimation methodologies and gave instructions on how to estimate the testing process's budget. A test plan was created by students for various case studies. The student's estimation plans were approved by Ms. Samitha, who also offered some adjustments. She also discussed test organisation and the variables that affect test efforts.



WORKSHOP ON INNOVATIONS AND LATEST TRENDS IN DIGITAL MARKETING MARCH 22, 2023

CSI Student Chapter under the Aegis of the Department of Computer Applications, Chitkara University, Punjab organized a workshop on Innovations and Latest Trends in Digital Marketing. The event's resource person was Mr. Naveen Dhunna. He primarily spoke about the ground realities of digital marketing. The session was quite engaging, and the resource person conveyed various concepts through the activities performed with the students. In one of the activities, students have been divided into two groups: clients and a digital marketing company, and have been asked to experience the idea of a digital marketing business. He advised students to be aware of and keep a watch on the competitors as well. He instructed the students on how to begin a profession in digital marketing and has provided very crucial advice on how to gain success in this field.





Innovations & latest trends in Digital Marketing



Resource Person

L& D Expert Founder & Managing Director at 3.W GOAL-Group of Applied Learnings and NAUKII TOKIS

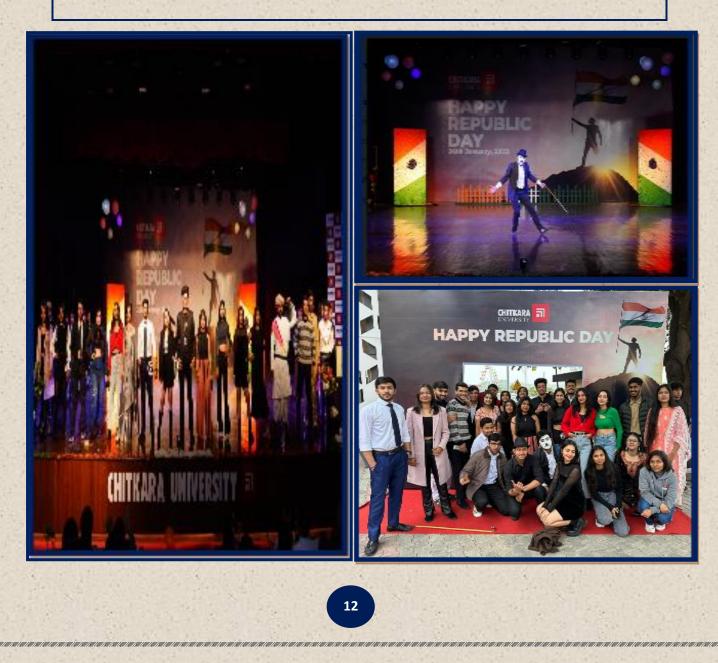
Date : 22nd March, 2023 Time : 10.00 AM Onwards Mode : Offline Venue: Pietre Hall

organised By CSI Studient Chapter Department of Computer Applications Chilkara University, Puniss



REPUBLIC DAY CELEBRATIONS JANUARY 26, 2023

Matrix club under the aegis of Department of Computer Applications participated in the celebration of Republic day in the campus. It is a day to commemorate the adoption of the Indian Constitution on January 26, 1950, which marked the end of India's transition to an independent republic. Under the topic of "Role of IT in the development of media through Fashion show", students from the Department of Computer Applications and other departments presented a fashion show. The Voice of Change: Media for the Constitution, the Birth of Democracy is the topic of this year's commemoration. The goal of this competition was to better understand how various media outlets—including theatre, art, music, and mime—represent the voices of our nation's citizens.



EXPERT TALK ON INCULCATING HUMAN VALUES AND ETHICS IN NURTURING MENTAL HEALTH MARCH 22, 2023

Matrix Club under the aegis of Department of Computer Applications, Chitkara University, Punjab organized an expert session on Inculcating Human Values and Ethics in Nurturing Mental Health on March 22, 2023. Developing the proper human values requires a solid foundation. It not only sharpens us but also aids in the development of our complete personalities. Our emotional, psychological, and social well-being are all parts of our mental health. Our first objective should be to keep a happy, serene mentality with the proper human values. The session helped us deal with the stress and the challenging time in our lives. It has motivated all BCA/MCA students to be steadfastly committed to their objectives and to have a distinct vision.





An Expert Talk on INCULCATING HUMAN VALUES AND ETHICS IN NURTURING MENTAL HEALTH



Charanjeet Kaur 🛔 Student Counselor Chilkara University, Punjab 🔿

💼 8th February, 2023

Time: 11:30AM onwards Venue: Einstein hall

Expert for the session:

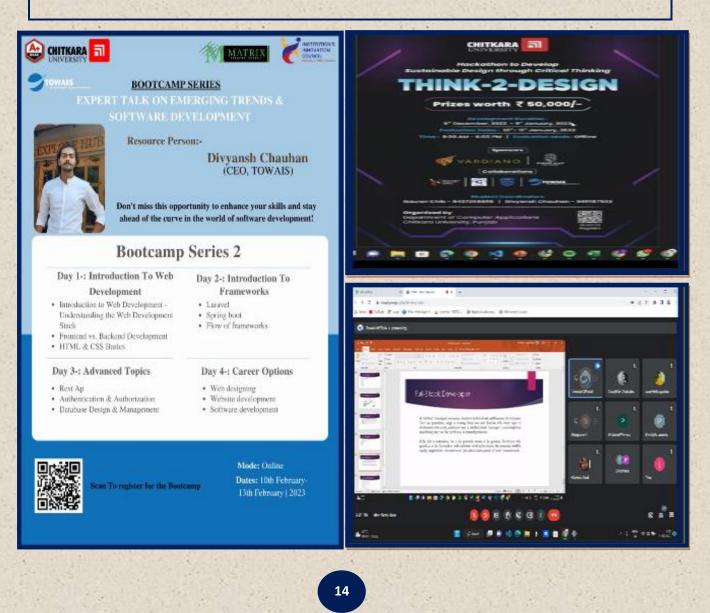
Organised by Matrix Club under the aegis of Department of Computer Applications Chilkare University, Punjab





EXPERT TALK ON EMERGING TRENDS AND SOFTWARE DEVELOPMENT—BOOTCAMP SERIES-2 FEBRUARY 10-14, 2023

Matrix Club under the aegis of Department of Computer Applications, Chitkara University, Punjab conducted a Bootcamp Series-2 on Emerging Trends and Software Development from February 10-14, 2023. Students from the BCA and MCA programmes enthusiastically participated in this bootcamp series and developed their abilities while understanding the most recent trends from the ground up. They also learned about several frameworks that are in use and how to deal with problems with databases, authorisation, and authentication. The major goals of this professional seminar are to gain knowledge of the formalistic (aesthetic) elements of design and visual communication as well as practical experience developing and programming web pages.



VOLLEYBALL TOURNAMENT FEBRUARY 27-28, 2023

"Volleyball tournament is an exciting event that brings together teams of players and fans from all over the world. Whether you are a player or a fan."

With this notion in mind, The Matrix club under the aegis of Department of Computer Application in collaboration with University Sports Board, Chitkara University, Punjab organised Volleyball Tournament on February 27-28, 2023. Students from different departments of the University participated in this event. Total twenty-one teams participated in the tournament. The happiness in the atmosphere could be seen all around during the event. The winning and runners up team was felicitated with certificates trophies/Goodies and cash prize worth Rs 5100 and the runner up was awarded Rs 3100. The tournament ended on a high spirited note where even after playing against each other the team mates displayed amazing team work, leadership and management skills.



RESEARCH & PUBLICATIONS

Tyagi, N., Singh, J. and Singh, S., 2022. A review of routing algorithms for intelligent route planning and path optimization in road navigation. Recent Trends in Product Design and Intelligent Manufacturing Systems: Select Proceedings of IPDIMS 2021, pp.851-860.

Garg, S., Kaushal, R.K. and Kumar, N., 2022, October. Blockchain-based Electronic Health Record and Open Research Challenges. In 2022 10th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions)(ICRITO) (pp. 1-5). IEEE.

Sharma, M., Kaushal, R.K. and Kumar, N., 2022, December. Two-Port MIMO Antenna with Circular Slotted Patch Designed for Bluetooth, WiMAX and WLAN Multiband Applications. In 2022 8th International Conference on Signal Processing and Communication (ICSC) (pp. 205-210). IEEE.

Sharma, R., Kukreja, V., Kaushal, R.K., Bansal, A. and Kaur, A., 2022, October. Rice Leaf blight Disease detection using multi-classification deep learning model. In 2022 10th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions)(ICRITO) (pp. 1-5). IEEE.

Kaur, P. and Sharma, V.K., 2022, December. Analysis of Secure Locking Techniques on Smart Phones. In 2022 5th International Conference on Contemporary Computing and Informatics (IC3I) (pp. 1807-1811). IEEE.

Mittal, R., Singh, J., Malik, V., Mittal, A., Rattan, V. and Singh, S.V., 2022, December. Forecasting E-Mentoring Effectiveness using Data Mining Approach. In 2022 5th International Conference on Contemporary Computing and Informatics (IC3I) (pp. 931-934). IEEE.

Malik, V., Mittal, R., Singh, V. and Rana, A., 2022, December. An AI Based Approach for Classification and Performance Evaluation of Teaching Assistant. In 2022 5th International Conference on Contemporary Computing and Informatics (IC3I) (pp. 1458-1462). IEEE.

Mittal, R., Malik, V. and Singh, S.V., 2022, December. DFR-HL: Diabetic Food Recommendation Using Hybrid Learning Methods. In 2022 5th International Conference on Contemporary Computing and Informatics (IC3I) (pp. 1784-1788). IEEE.

Jain, D., Arya, M., Malik, V. and Singh, S.V., 2022, December. A Novel Parameter Optimization Metaheuristic: Human Habitation Behavior Based Optimization. In 2022 5th International Conference on Contemporary Computing and Informatics (IC3I) (pp. 921-924). IEEE.

RESEARCH & PUBLICATIONS

Dahiya, N., Singh, S., Gupta, S., Rajab, A., Hamdi, M., Elmagzoub, M.A., Sulaiman, A. and Shaikh, A., 2023. Detection of Multitemporal Changes with Artificial Neural Network-Based Change Detection Algorithm Using Hyperspectral Dataset. Remote Sensing, 15(5), p.1326.

Tyagi, N., Singh, J. and Singh, S., 2022, October. Review of Indoor Positioning System: Technologies and Applications. In 2022 International Conference on Data Analytics for Business and Industry (ICDABI) (pp. 723-728). IEEE.

Tyagi, N., Sharma, D., Singh, J., Sharma, B. and Narang, S., 2021, September. Assistive navigation system for visually impaired and blind people: a review. In 2021 International Conference on Artificial Intelligence and Machine Vision (AIMV) (pp. 1-5). IEEE.

Malik, V., Mittal, R. and Rana, A., 2022, December. BiCNN-CML: Hybrid Deep Learning Approach for Chronic Myeloid Leukemia. In 2022 5th International Conference on Contemporary Computing and Informatics (IC3I) (pp. 1771-1777). IEEE.

Singh, J. and Hamid, M.A., 2022. Cognitive Computing in Mental Healthcare: a Review of Methods and Technologies for Detection of Mental Disorders. Cognitive Computation, 14(6), pp.2169-2186.

Hamid, M.A. and Singh, J., 2022. EEG Signal Processing for Detection of Colour Vision Deficiencies. ECS Transactions, 107(1), p.10053.

Mittal, R., Kazlouski, A.M. and Rana, A., 2022, December. Segment Analysis for Nonparametric Image Registration of Spaceborne Imagery of Farmland. In 2022 5th International Conference on Contemporary Computing and Informatics (IC3I) (pp. 1630-1633). IEEE.

Sharma, S., Mittal, R. and Goyal, N., 2022. An Assessment of Machine Learning and Deep Learning Techniques with Applications. ECS Transactions, 107(1), p.8979.

Rattan, V., Sharma, S., Mittal, R. and Malik, V., 2021, September. Applying SMOTE with Decision Tree Classifier for Campus Placement Prediction. In 2021 International Conference on Computing, Communication and Green Engineering (CCGE) (pp. 1-6). IEEE.

Singh, J., Ali, F., Shah, B., Bhangu, K.S. and Kwak, D., 2022. Emotion Quantification Using Variational Quantum State Fidelity Estimation. IEEE Access, 10, pp.115108-115119.

Singh, J. and Bhangu, K.S., 2022. Quantifying Emotions Through Quantum Computations. International Journal of Quantum Information.

PATENTS

Mr. Amanreet Singh, Mr. Jaspreet Singh Bajaj, Dr. Amandeep Kaur, Dr. Deepali Gupta, Dr. Vandana, Dr. Rupinder Singh, Dr. Maninder Jit Singh Khanna filed a patent titled Case for all types of fruits vide application number 202211065179.

Dr. Naveen Kumar, Dr. Rajesh Kumar Kaushal, Dr. Sanjeev Verma, Dr. S.N.Panda, Dr. Manish Sharma, Dr. Poonam Shourie filed a patent titled Internet of Things Based Hybrid Fitness Monitoring System and Method vide application number 202311008209.

Dr. Rajesh Kumar Kaushal, Dr. Rahul Mishra, Dr. Dhiraj Singh filed a patent titled System and method of utilizing blockchain in payment management system vide application number 202211076648

Dr. Rajesh Kumar Kaushal, Dr. Rahul Mishra, Dr. Sakshi Pandey filed a patent titled Blockchain-based fake product detection system and method thereof vide application number 202311000659

Dr. Rajesh Kaushal, Dr. Rahul Mishra, Dr. Sakshi Pandey filed a patent titled System and method to manage transfer of assets via a decentralised platform vide application number 202311015766

Dr. Jaiteg Singh, Dr. Deepika Chaudhary Dr. Preetinder Singh Brar, Mr. Vikas Rattan granted a patent titled *Foldable Bottle Cap* on January 1, 2023.

Mr. Amanpreet singh, Dr. Jaiteg Singh, Dr. Deepika Chaudhary, Ms. Vandana, Mr. Jaswinder Singh, Ms. Nishu Bali, Dr. Preetinder Singh Brar granted a patent titled keyboard with sliding mouse pad on January 1, 2023.

Ms. Anshika joshi, Dr. Jaiteg Singh, Dr. Deepika Chaudhary, Dr. Maninderjit Singh Khanna, Ms. Rajwinder Kaur granted a patent titled Frog shaped drone for Agricultural monitoring on January 1, 2023.

Dr. Ruchi Mittal, Mr. Yash Mittal, Dr. Akhib Khan Bahamani, Dr. Amit Mittal, Dr. Jaiteg Singh, Dr. Varun Malik granted a patent titled Convenience Chair on March 1, 2023.

Dr. Ruchi Mitta, Mr. Yash Mittal, Dr. Varun Malik, Dr. Jaiteg Singh, Dr. S.N Panda, Dr. Amit Mittal, Dr. Vikas Rattan, Mr. Devansh Gupta granted a patent titled Table embedded with writing desk on March 1, 2023.

Ms. Anshika Joshi, Dr. Jaiteg Singh, Dr. Ruchi Mittal, Mr. Vikas Rattan, Dr. Preetinder Singh Brar, Dr. Varun Malik, Ms Jasmeen Kaur granted a patent titled Mobile phone case for two-wheeler on January 1, 2023.

Dr. Varun Malik, Dr. Ruchi Mittal, Dr.Jaiteg Singh, Mr. Vikas Rattan, Dr. Vikram Singh, Dr. Amit Mittal. Dr.Preetinder Singh Brar, Dr. Amandeep Kaur, Dr. Geetanjali granted a patent title Chair cum ladder and Stool on January 9, 2023.

Mr. Vikas Rattan, Dr. Ruchi Mittal, Dr. Varun Malik, Dr.Jaiteg Singh, Mr. Gurdyal Singh, Dr. Anoop Aggarwal, Mr. Sunil Kumar, Ms. Poonam, Dr. Amandeep Kaur, Ms. Deepika Sharma granted a patent title Foldable Drainage Cathether on December 28, 2022.

Mr. Vikas Rattan, Dr. Ruchi Mittal, Dr. Varun Malik, Dr.Jaiteg Singh, Dr. Amit Mittal, Mr. Sushil Narang, Mr. Gurdyal Singh, Dr. Anoop Aggarwal, Mr. Gaurav Jain granted a patent title Bike Mobile ARmor on January 11, 2023.

PLACEMENTS – MCA

S No	Roll Number	Name	Company
1	2110981519	Partyush	Open Access Technology India.
2	2110981528	Vikram Dhiman	Open Access Technology India.
3	2110981590	Divya	Open Access Technology India.
4	2110981570	Vivek Chugh	Open Access Technology India.
5	2110981529	Vipin Kumar	Open Access Technology India.
6	2110981513	Kanish Dhawan	Open Access Technology India.
7	2110981562	Raghav Malik	Open Access Technology India.
8 -	2110981504	Arjun Singh	Owmnahar Industries, Ludhiana.
9	2110981511	Jashanpreet Singh	Dealermatix Technologies Pvt Ltd.
10	2110981602	Kshitij	Dealermatix Technologies Pvt Ltd.
11	2110981558	Рооја	Dealermatix Technologies Pvt Ltd.
12	2110981555	Neeraj	Dealermatix Technologies Pvt Ltd.

PLACEMENTS - BCA

S No	Roll Number	Name	Company
1	2010992524	Gautam Bains	Hoping Minds, Mohali.
2	2010992551	Kanishk Dadwal	Hoping Minds, Mohali.
3	2010992564	Mayank Garg	Hoping Minds, Mohali.
4	2010992566	Nakul Bansal	Hoping Minds, Mohali.
5	2010992582	Radhika Bhatia	Hoping Minds, Mohali.
6	2010992585	Rishabh Manan	Genboot Pvt. Ltd. Mohali.
7	2010992587	Rishank Jain	Mechvil Infrastructure Pvt. Ltd. Panipat.
8	2010992588	Rishav Gupta	Hoping Minds, Mohali.
9	2010992605	Tanish	Hoping Minds, Mohali.
10	2010992636	Saloni Goyal	Hoping Minds, Mohali.
11	2010992652	Sumit Pandey	Softline Services Pvt. Ltd. Andheri East, Mumbai.
12	2010992657	Deeksha	Kietron Consulting Services Pvt. Ltd. Mohali.
13	2010992666	Tanish Goyal	Hoping Minds, Mohali.
14	2010992684	Amanpreet Singh Makkar	Nexa Tower, SAS Nagar, Mohali.
15	2010992688	Mayank Thakur	Hoping Minds, Mohali.
16	2010992690	Pratham Sethi	Hoping Minds, Mohali.
17	2010992700	Lakshay	Hoping Minds, Mohali.
18	2010992719	Mudit Jain	Preshah Grains Pvt. Ltd. Karnal.

PLACEMENTS – B.TECH(IT)

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111 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1	1955991508	Ankush	Master Creationz, Mohali.
Alt and a	2	1955991524	Dakshdeep Singh	Dealermatix Technologies Pvt. Ltd.
a state and	3	1955991570	Sahil Sharma	Techversys Solutions Pvt. Ltd.
- 1111 -	4	1955991602	Yash	Hoping Minds, Mohali.
and the second	5	1955991610	Jai Sharma	Cross Road Solution, Gurugram.

STUDENT ACHIEVEMENTS

Name	Class (Sem) Event		Organizers	Award		
Muhammad Zaid Azhar	MCA-2	Urja Retcon,2023	Thapar University, Patiala.	Gold Medal		
Muhammad Zaid Azhar	MCA-2 Aarohan-23 IIT, Ropar. G		Gold Medal			
Srihan Dhar	MCA-2	Youth Festival, Karnataka-2023	National Youth Festival, Karnataka (under NSS, India.)	Excellence Award		
Vansham Aggarwal	BCA-4	Beta Student Ambassador	Microsoft Learn Student Ambassador			
Tanish Kumar	BCA-4	Sarang-2023	Matrix Club, Chitkara University, Punjab.	1 st Position		

Microsoft Learn Student Ambassadors | 2022

Microsoft Learn

TUDENT AMBASSADO

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This certificate is presented to:

Vansham Aggarwal Beta Student Ambassador

In recognition of your hard work and dedication as a Beta member of the Student Ambassadors team since 2022.

Pablo Veramendi Global Program Lead | Microsoft Learn Student Ambassadors

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A Brain Teaser

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Editorial Section

We present the current issue of our newsletter and we hope to get due feedback from our readers which can help us in improving our next issues.

"Happy Reading"

CHITKARA UNIVERSITY, PUNJAB

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